

Appl. No. 09/981,202
Amdt. dated March 30, 2005
Reply to Office action of January 11, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Canceled).
2. (Previously presented) The computer system of claim 4 wherein said option ROM code is resident on said option device.
3. (Original) The computer system of claim 2 wherein said option ROM code is copied to and executed from system memory.
4. (Currently amended) A computer system, comprising:
 - a CPU;
 - system memory coupled to said CPU;
 - a system ROM containing system ROM code executable by said CPU;
 - an option device coupled to said CPU; and
 - option ROM code associated with said option device and usable by an operator to configure the option device;wherein said system ROM code permits an operator to execute said option ROM code and wherein said system ROM code searches for a predefined signature value when an operator selects an option ROM code to execute, said signature value identifies information pertaining to the location of the option ROM code, said information includes an option device identification value and an indication of the location of the option ROM code.
5. (Original) The computer system of claim 4 wherein said signature corresponds to an option ROM configuration entry table, said table includes

**Appl. No. 09/981,202
Amdt. dated March 30, 2005
Reply to Office action of January 11, 2005**

location values regarding the location of the option ROM code and a device identifier value.

6. (Original) The computer system of claim 5 wherein said table further includes a mask value that permits multiple types of option devices to use the option ROM code pertaining to a single table.

7. (Canceled).

8. (Previously presented) A method of configuring a computer system, comprising:

configuring one or more aspects of a computer system using system ROM code;

permitting an operator to select an option device coupled to said computer system to be configured using said system ROM code; and

searching for an option ROM code associated with said option device using said system ROM code; and

executing said option ROM code;

wherein searching for an option ROM code includes searching for a predefined value that indicates the location of a set of information, said set of information includes an identification value that identifies the option device and a location value that is used to determine the location of the option ROM code; and

wherein said set of information also includes a device identifier and wherein searching for an option ROM code further includes comparing a device identifier associated with the option device the operator wishes to configure to the device identifier in the set of information.

9. (Canceled).

Appl. No. 09/981,202
Amdt. dated March 30, 2005
Reply to Office action of January 11, 2005

10. (Previously presented) The method of claim 8 wherein executing said option ROM includes transferring execution to said location if the device identifiers match.

11. (Previously presented) The method of claim 8 further including returning to said system ROM code after said option ROM code completes executing.

12. (Canceled).

13. (Previously presented) The system ROM of claim 16 further including an instruction which causes an option ROM code associated with an option device to be executed.

14. (Original) The system ROM of claim 13 wherein said option ROM code is resident on said option device.

15. (Original) The system ROM of claim 14 wherein said option ROM code is copied to and executed from RAM memory in said computer system.

16. (Currently amended) A system ROM including computer executable system ROM code that includes instructions which comprise:

an instruction that permits an operator to configure a computer system;
and

an instruction that permits an operator to configure one or more option devices within the computer system and to search for an option ROM configuration table corresponding to the option device the operator selects to configure, wherein the search for the option ROM configuration table comprises a search for a signature associated with information, said information comprises an identifier of the option device and a value that indicates the location of option

Appl. No. 09/981,202
Amdt. dated March 30, 2005
Reply to Office action of January 11, 2005

ROM code that is usable by an operator to change the configuration
of the option device.

17. (Original) The system ROM of claim 16 wherein said table includes offset and segment values to the beginning of an option ROM code associated with said option device.

18. (Currently amended) The system ROM of claim 17 wherein said table further includes ~~a said option device identifier which corresponds to said option device.~~

19. (Original) The system ROM of claim 18 further including an instruction which compares a device identifier obtained from the operator's selection of a device to be configured to the device identifier in said table.